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### Winning Design

Pictured above is a model of the winning design for the new Rockefeller University faculty apartment building which will rise on the corner of York Avenue and 63rd Street. It is the work of the architectural firm of Horace Ginsbern and Associates and F. W. Eversley & Co., Inc., contractors. The selection, made by the Dormitory Authority of the State of New York working in conjunction with the University's administration and the Faculty Housing Committee, was announced on October 24. The structure is planned for occupancy by June 1975. It will rise 26 stories and will contain 250 units—25 studio apartments, 75 one-bedroom apartments, 100 two-bedroom apartments, and 50 three-bedroom apartments. The complex will also contain community rooms, laundry facilities, parking space, a small park on the river side, and indoor and outdoor play areas for children. It has been designed to afford easy access to the University, security in the public areas, and optimum exploitation of the location's unobstructed views of river, bridge, and skyline. The new building will be mostly faced in gray striated split-face concrete block to match the overall color of other University buildings.

### Name Professors of Cell Biology, Mathematics

James E. Darnell, Jr. has been appointed professor of cell biology, effective July 1, 1974, and James Glimm has been appointed professor of mathematics, effective August 1, 1974.

Dr. Darnell's major research is in the area of gene expression in higher cells. He has studied particularly the synthesis of RNA in the nucleus and its conversion to cytoplasmic RNA where it directs protein synthesis. He has been serving as professor of biological sciences at Columbia University since 1968 and as department chairman since 1971. In 1972, he was named Alan H. Kempner Professor of Biological Sciences. He was professor of biochemistry and cell biology at the Albert Einstein College of Medicine from 1964 to 1968. He was assistant professor (1961-62) and associate

professor of biology (1962-64) at the Massachusetts Institute of Technology, where he received the United States Public Health Service Career Scientist Award. From 1965 to 1970 he was career scientist of the Health Research Council of the City of New York. Dr. Darnell received a bachelor's degree from the University of Mississippi in 1951 and an M.D. from the Washington University School of Medicine in 1955. He was elected to membership in the National Academy of Sciences and the American Academy of Arts and Sciences earlier this year. He is a member of the editorial board of *The Journal of Molecular Biology* and served two terms on the editorial board of *The Journal of Cell Biology*.

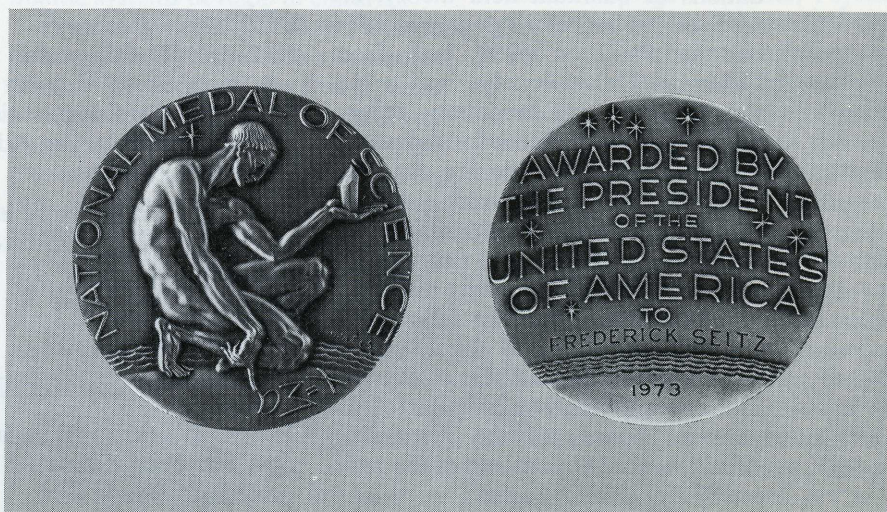
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### Seitz Receives National Medal of Science

President Frederick Seitz was one of 11 recipients of the National Medal of Science, the government's highest award for achievement in science, mathematics, and engineering, presented by President Nixon at ceremonies in the White House on October 10. Dr. Seitz was cited for his "pioneering contributions to the foundation of the modern quantum theory of the

solid state of matter and to the understanding of many phenomena and processes that occur in solids."

The medal was established by Congress in 1959. Previous Rockefeller recipients have included Theodosius Dobzhansky and Neal E. Miller (1964), Peyton Rous and Donald D. Van Slyke (1965), Fritz Lipmann (1966), and Detlev W. Bronk (1968).





## Trustee Robert F. Loeb Dies at Age of 78

Robert F. Loeb, distinguished scientist, educator, and clinician in the field of metabolic diseases and a member of the board of trustees of Rockefeller University for 16 years, died on October 21 at the age of 78.

Dr. Loeb was associated with the faculty of Columbia University for more than 50 years and was emeritus chairman of the department of medicine and emeritus Bard Professor of Medicine at the College of Physicians and Surgeons at the time of his death. Among his many contributions to medical science, his work with his colleagues in electrolyte physiology led to a clearer understanding and treatment for diabetic acidosis, and to an understanding of the role of the cortex of the adrenal glands in the control of salt and water metabolism. He was the first to demonstrate an effective treatment for Addison's Disease and, during

World War II, supervised nation-wide research on malaria.

Dr. Loeb assumed membership on the University's board of trustees in 1954 and served as vice chairman from 1961 to 1970. At his retirement, the board passed a resolution expressing its deep appreciation for his personal contribution, especially during the important period of transition from "Institute" to "University." The resolution also paid tribute to the tradition of service handed down to Robert Loeb by his father, physiologist Jacques Loeb, one of the pioneering leaders of research during the Institute's early years. In 1971, the University awarded Robert Loeb an honorary Doctor of Science degree, presented at the University's convocation ceremonies by Board Chairman David Rockefeller.

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## PERSONAL MENTION

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Professor **Miklós Müller**, Biochemical Cytology, was married on June 24 to Janet Keithly, an assistant professor at Lehman College. Dr. Keithly was a postdoctoral fellow in parasitology at the University from 1970 to 1972.

**Aida Angulo**, a receptionist-clerk with the Center for Prevention of Premature Arteriosclerosis, was married on July 14 to Joe Martinez, Jr., an electrician's apprentice.

Born, August 25, to Postdoctoral Fellow **Ivo van de Rijn** and his wife, Arlene, a son, Aaron Kenneth, their first child.

**Marta Curet**, a secretary with the Purchase and Supply Service, and **George J. Schiffner**, purchasing assistant, were married on September 8.

**Mary E. Xikis**, payroll clerk, was married on September 30 to Steve Sotiropoulos.

**Nicholas Danisi**, senior accountant, was married on October 6 to Mary Pyzik. Mrs. Danisi is the sister of **Carol R. Valli**, a secretary in Administrative Services.

**Heidi Smith**, a secretary in the laboratory of Dr. William K. Estes, was married on September 29 to Michael Prince, an executive in the graphic arts industry.

## FACULTY PROMOTION

Jay M. Weiss, Physiological Psychology, has been promoted to associate professor.

## CPPA Dedicated at Caspary Ceremony

The Center for Prevention of Premature Arteriosclerosis, a wide-scale preventive medicine research project being carried on jointly by The Rockefeller University, the Columbia Presbyterian Medical Center, and the Albert Einstein College of Medicine, was formally dedicated at special ceremonies in Caspary Auditorium on October 29.

The key speaker was Dr. Theodore Cooper, director of the National Heart and Lung Institute of the National Institutes of Health. (CPPA is supported by a grant from the NIH.) Dr. Cooper's topic was Mission-Oriented Research in Preventive Medicine. Professor Edward H. Ahrens, Jr., principal investigator for CPPA at Rockefeller, gave an overview of the project, and his colleagues, Dr. DeWitt Goodman of Columbia and Dr. Howard A. Eder of Einstein, presented scientific highlights concerning current efforts to understand and combat the major public health problem posed by arteriosclerosis. Dr. Robert Palmer, medical director of CPPA, described the organization of the clinic operation and flow of patients through it during their participation in its activities.

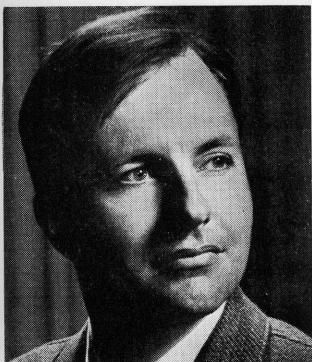
## Volunteer Program

A new program begun at the Hospital this fall is using the services of Hunter College students and alumni in the dual roles of volunteer research subjects and research helpers.

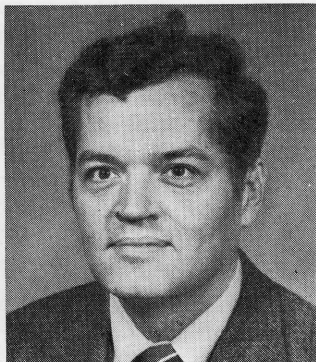
Four such participants are currently enrolled in the program—a premedical student, two recent graduates with plans for medical school, and a registered nurse who has gone back to college to complete a bachelor's degree so as to go on to medical research. Two of this group are serving as normal "patients" in the cholesterol studies of Professor Edward H. Ahrens, Jr., and two as normal-weight controls in the obesity studies of Professor Jules Hirsch. When not engaged in these studies, the two sets of volunteers become research student-helpers in the two laboratories, for which they are paid a small daily stipend. The Clinical Research Volunteer Program will be expanded as an ongoing cooperative project with Hunter College, each patient-student remaining in residence at the Hospital for a period of 90 days. It is hoped that the work-study aspects of this program will appeal in the future to other laboratories in the University.

NAME PROFESSORS

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JAMES E. DARNELL, JR.



JAMES GLIMM

James Glimm, professor of mathematics at the Courant Institute of Mathematical Sciences of New York University since 1969, is a specialist in mathematical physics working on the problem of the mathematical foundations of quantum field theory. He received his bachelor's degree in 1956 and his Ph.D. in 1959, both from Columbia University. He was a National Science Foundation fellow, working at the Institute for Advanced Study in Princeton during the year 1959-60. For the next nine years, he was associated with the Massachusetts Institute of Technology, rising to full professor in 1966. He was the recipient of two Guggenheim fellowships, the first in 1963, and the second in 1965 when he spent a year of research in Denmark. He is a member of the editorial boards of the *Journal of Mathematical Physics* and of the *Journal of Applicable Analysis*.



*In the new "nursery school" of The Child Research Facility.*

## A New Center for Semantic Studies

Three mornings a week since mid-October, five three-year-olds have been gathering in a new "nursery school" on the fourth floor of the Tower Building. For two hours, they play with toy trucks and blocks, draw pictures, work puzzles, and chatter. Besides the usual complement of chairs, tables, and cubbies, their colorful and inviting "classroom" is furnished with a television control room, cameras, and an observation booth with a one-way viewing mirror. The children themselves wear cordless pocket microphones. What they do and what they say is being recorded, classified, fed through computers, analyzed, discussed, compared, and pondered by a team of behavioral scientists whose ultimate goal is a deeper understanding of the processes of human thought and the interrelationship of thinking, language, and culture.

The Child Research Facility, as it is called, is the joint project of Professors George A. Miller and Michael Cole. The classroom "teacher" is Madeleine Dobriner. Research Associate Elsa Bartlett, soon to complete a doctorate in education at Harvard, and Visiting Professor John Dore are primarily involved with the taping and data preparation and analysis. Help came from the University's computer laboratory in setting up the facility's small computer, and from the Children's School in creating the classroom setting.

George A. Miller is a psychologist with a special interest in the develop-

ment of the meaning of words and of the rules that people use to produce and interpret linguistic messages. His investigations have drawn heavily on engineering and mathematical analyses. He came to Rockefeller in 1967, first as a visiting professor and permanently a year later, from Harvard University where he had been chairman of the psychology department. He spent the two years between 1970 and 1972 "thinking and writing" at the Institute for Advanced Study in Princeton. He returned to the campus last year to plan the new Child Research Facility and supervise its construction, which includes, in addition to the classroom, two individual testing rooms, a computer room, and a number of offices. His goal now is to learn more about the ways in which semantic systems develop in children.

Psychologist Michael Cole's interest in language is related to his investigations of learning and the development of cognitive thinking, with special emphasis on the role of culture. He has pursued his studies in a number of exotic settings around the world (see *news and notes*, April 1972). Currently he is working with other researchers studying language and learning in various areas of New York. He will be comparing and contrasting these studies with the data from the Child Research Facility, where all the children will initially come from middle-class backgrounds.

This comparative work has particu-

lar relevance, according to Dr. Cole, because many psychologists and educators believe that black ghetto children develop and use language in ways that are significantly different from the pattern of middle-class children, with results that can be disastrous for them in a conventional school environment. The middle-class child, for example, is constantly exposed, from earliest childhood, to a question-and-answer situation. He knows that the parent who holds up a cup and asks, "What is this?" isn't asking out of ignorance—he or she is "testing." The ghetto child often behaves as if he views such questions as a direct request for information. He may be confused by an adult who asks, "What is this?" when, obviously, they both know it's a cup.

One of the goals of the Child Research Facility, as expressed by Dr. Cole, will be to learn more about "the varieties of early language behavior. This knowledge should help us to better understand not only children, but the process by which all of us come to know and use language."

## University Lectures

Upcoming speakers in the current series of Rockefeller University Lectures, held Fridays at 3:45 P.M. in Caspary Auditorium, will be: Professors Norton D. Zinder, speaking on the RNA-Phages: What They've Told Us (December 14); Purnell W. Choppin, on Viruses and Cell Membranes (January 4); Gerald M. Edelman, topic to be announced later (January 18); and Victor J. Wilson, on the Vestibular System and Its Role in the Regulation of Posture (February 15). The lectures are open to all Rockefeller personnel.

## MISSION TO CHINA

Professor George A. Miller, Psychology, will be one of a 10-member delegation of American educators and specialists in child psychology who will spend three weeks beginning November 15 visiting schools and day care centers in China. Their special interest will be in the area of language and learning. The visit was arranged through the auspices of the Committee on Scholarly Communication with the People's Republic of China (which is jointly sponsored by the American Council of Learned Societies, the National Academy of Sciences, and the Social Science Research Council) and the Scientific and Technical Association of the People's Republic of China.





Left to right: President Seitz, Maurice F. Strong, executive director of the United Nations Environment Program, and René J. Dubos at the Fairfield Osborn Memorial Lecture, October 18, in Caspary Auditorium. Dr. Strong's lecture on *The Environment and the New Internationalism* will be summarized in the December 18 issue of *Saturday Review/World*.

## BRIEFS

Eight Rockefeller scientists participated in the Fourth International Congress of Protozoology, held September 2-9 in Clermont-Ferrand, France. Professor **William Trager**, Parasitology, chaired a round table on Intracellular Parasitism, and presented a paper. Professor **Miklós Müller**, Biochemical Cytology, was vice chairman of a round table on Ingestion and Digestion, and also spoke. Others who read papers were: Professor **Dennis M. Dwyer** and Research Associate **Susan G. Langreth**, Parasitology, Professor **Donald G. Lindmark**, Biochemical Cytology, and Postdoctoral Fellow **Bessie Pei-Hsi Huang**, Cell Biology. Also in attendance were Professors **Philip A. D'Alesandro** and **Araxie Kilejian**, Parasitology.

Professor **René J. Dubos**, Environmental Biomedicine, delivered the 11th Frank H. Lahey Memorial Lecture at the 50th anniversary meeting of the Lahey Clinic Foundation

Alumni Association in Boston on October 11. The following day, Dr. Dubos was made an honorary member of the American School Health Program and delivered that organization's annual address in Chicago. On November 18, he will leave for Japan to present a number of television lectures and interviews at the invitation of the Japanese national television.

Professor **Sam Granick** and Research Associate **Peter R. Sinclair**, and Professor **Shigeru Sassa** presented papers at a conference on the Biological Role of Porphyrins and Related Structures, sponsored by the New York Academy of Sciences on October 23-26. The paper by Dr. Sinclair and Dr. Granick was on Heme Control of Heme Biosynthesis in Liver Culture. Dr. Sassa spoke on the Environmental, Chemical, and Genetic Effects on Heme Synthesis in the Red Cell.

Professor **Christian de Duve**, Biochemical Cytology, received an honorary doctor's degree from the University of Lille, France, on October 12, awarded on the occasion of the 150th anniversary of the birth of Louis Pasteur. Dr. de Duve presented two seminars at Lille, on peroxisomes and on lysosomes in pathology and therapeutics.

Professor **Zofia K. Borowska**, Biochemistry, spoke on the Biosynthesis of Edeines and Their Effect on the Producing Strain *Bacillus Brevis* Vm4, at the First International Congress for

## Memorial for de Furia

Frank G. de Furia, 34, visiting assistant professor at the University since 1971 and assistant professor of medicine and pediatrics at The New York Hospital, died on June 25. A specialist in hematology, he had been associated here with the laboratory of Professor Anthony Cerami. A memorial concert for Dr. de Furia was held on October 4 in Caspary Auditorium. Harpsichordist Lionel Party performed.

## LIBRARY EXHIBIT

Memorabilia relating to the work of Karl Landsteiner is currently on view in the exhibit case in the Library. Landsteiner was a member of The Rockefeller Institute for Medical Research from 1922 to 1939 and, as an emeritus, continued his research until his death in 1943 at the age of 76. In 1930, he was awarded the Nobel Prize for his identification of human blood groups. He made valuable contributions in the field of immunology and the chemistry of antigens, and collaborated in the identification, in 1940, of the Rh factor in blood. The exhibit will remain until the end of the month.

## A NEIGHBOR CELEBRATES

The Memorial Hospital Sloan-Kettering Cancer Center borrowed the University's Esplanade on November 13 and 14 for ceremonies dedicating the center's new 19-story, 610-bed facility at 1275 York Avenue, between 67th and 68th Streets. The new building, under construction since 1969, will now accommodate all the patient beds previously housed in the hospital's two older buildings which, in turn, will be renovated for laboratory space. Governor Nelson A. Rockefeller was a guest of honor on the 14th.

Bacteriology, sponsored by the International Association of the Microbiological Society, held September 2-7 in Jerusalem.

Librarian **Charles Robin LeSueur** was elected to a one-year term as chairman of the Library Committee of the Columbia University Senate.

**Ruth Sternfeld**, assistant librarian for archives, was elected to a one-year term as New York State representative on the Steering Committee of the Mid-Atlantic Regional Archives Conference.

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